

Sequence Listing



<110> Cochran, Andrea G.
Skelton, Nicholas J.
Starovasnik, Melissa A.

<120> Structured Peptide Scaffold For Displaying Turn
Libraries On Phage

<130> P1762R1 US

<140> US 09/592,695
<141> 2000-06-13

<150> US 60/139,017
<151> 1999-06-14

<160> 25

<210> 1
<211> 7
<212> PRT
<213> Artificial Sequence

<220>

<223> Xaa at positions 3 and 5 are selected from the group consisting of
amino acids Trp, Tyr, Phe, Leu, Met, Ile and Val;

AU
<220>

<221> Artificial Sequence
<222> Full

<223> Xaa at positions 2 and 6 are selected from the group consisting of
amino acids Trp, Tyr, Phe, His, Ile, Val and Thr;

<220>

<221> Artificial Sequence3
<222> Full
<223> Xaa at position 4 stands for 3-12 L-form amino acids.

<220>

<221> unsure
<222> 2-6
<223> unknown amino acid

<400> 1

Cys Xaa Xaa Xaa Xaa Xaa Cys
1 5

<210> 2

<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> turn peptide

<400> 2

Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys
1 5 10

<210> 3

<211> 12
<212> PRT

<213> Artificial Sequence

<220>

<223> turn peptide

<400> 3
Ser Cys Thr Trp Glu Gly Asn Lys Leu Thr Cys Lys
1 5 10

<210> 4
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> turn peptide

<400> 4
Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys
1 5 10

<210> 5
<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> turn peptide

<400> 5
Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys
1 5 10

<210> 6
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> turn peptide

<400> 6
Ser Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 7
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> turn peptide

<400> 7
Ser Cys Thr Asn Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 8
<211> 12
<212> PRT
<213> Artificial Sequence

<220>

<223> turn peptide

<400> 8
Ser Cys Gly Trp Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 9
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 9
Ser Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 10
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 10
Ser Cys Gly Asn Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 11
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 11
Ser Cys Thr Trp Gln Gly Ser Phe Leu Thr Cys Lys
1 5 10

<210> 12
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 12
Cys Thr Lys Val Trp Gln Leu Trp Thr Cys
1 5 10

<210> 13
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 13

Ser Cys Thr Trp Val Trp Gln Leu Leu Thr Cys Lys
1 5 10

<210> 14
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 14
Ser Cys His Phe Gly Pro Leu Thr Trp Val Cys Lys
1 5 10

<210> 15
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide

<400> 15
Ser Cys Thr Trp Gly Pro Leu Thr Leu Thr Cys Lys
1 5 10

<210> 16
<211> 10
<212> PRT
<213> Artificial Sequence
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<220>
<223> turn peptide; Xaa is Trp, Tyr, Leu, Val, Thr or Asp.

<220>
<221> unsure
<222> 3
<223> unknown amino acid

<400> 16
Cys Thr Xaa Glu Gly Asn Lys Leu Thr Cys
1 5 10

<210> 17
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide; Xaa is Trp, Tyr, Leu, Val, Thr or Asp.

<220>
<221> unsure
<222> 3
<223> unknown amino acid

<400> 17
Cys Thr Xaa Glu Asn Gly Lys Leu Thr Cys
1 5 10

<210> 18
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide; Xaa is Trp, Tyr, Leu, Val, Thr or Asp.

<220>
<221> unsure
<222> 3
<223> unknown amino acid

<400> 18
Cys Thr Xaa Glu Pro Asn Lys Leu Thr Cys
1 5 10

<210> 19
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> turn peptide; Xaa is Trp, Tyr, Leu, Val, Thr or Asp.

<220>
<221> unsure
<222> 3
<223> unknown amino acid

<400> 19
Cys Thr Xaa Glu Pro Gly Lys Leu Thr Cys
1 5 10

<210> 20
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala

<220>
<221> unsure
<222> 3
<223> unknown amino acid

<400> 20
Cys Thr Xaa Glu Gly Asn Lys Leu Thr Cys
1 5 10

<210> 21
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala

<220>
<221> unsure
<222> 8
<223> unknown amino acid

<400> 21

Cys Thr Leu Glu Gly Asn Lys Xaa Thr Cys
1 5 10

<210> 22
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala

<220>
<221> unsure
<222> 3
<223> unknown amino acid

<400> 22
Cys Thr Xaa Glu Gly Asn Lys Trp Thr Cys
1 5 10

<210> 23
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Xaa is Trp, Tyr, Phe, Leu, Met, Ile, Val or Ala

<220>
<221> unsure
<222> 8
<223> unknown amino acid

<400> 23
Cys Thr Trp Glu Gly Asn Lys Xaa Thr Cys
1 5 10

<210> 24
<211> 102
<212> DNA
<213> Artificial Sequence

<220>
<223> synthesized sequence

<400> 24
taataataaa tggctgatcc gaaccgttgc cgcggtaaag atctgggtgg 50
cggtactcca aacgaccgc caaccactcc accaactgat agcccaggcg 100
gt 102

<210> 25
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthesized sequence; N is A, T, G or C; S is G or C

<220>
<221> unsure
<222> 19-20, 31-32, 34-35, 37-38, 40-41, 52-53

<223> unknown base

<400> 25

tccgcctcggttatgcannstgcacttggnnsnnsnnsnnsctgacttg 50

nnnsatggctgatccgaaccgt 72